

Claims

1. Container (1) for carbonated drink provided with a chamber (2) containing the drink, a drink dispensing opening (13) for drink from the chamber, a pressure medium chamber (9) that is in fluid communication with the chamber (2) for supplying pressure medium to the chamber, which pressure medium chamber has an outlet that is closed off by a delivery valve (12) for delivering pressure medium and a pressure regulating element (10) connected to the delivery valve (12) for operating the delivery valve (12), wherein the pressure regulating element (10) has a housing (35) with an end wall (40), a peripheral wall (36) and a piston (19) that can be moved in the housing along the peripheral wall in a sealed manner, wherein an upper housing part (39) is formed between a side of the piston that faces the end wall (40) and the end wall and a lower housing part (37) that at least partially surrounds the delivery valve (12) is formed at the side of the piston facing away from the end wall, wherein the piston (19) engages on the delivery valve and wherein the upper housing part (39) of the housing is in fluid communication with a reference pressure source.

2. Container according to Claim 1, wherein the upper housing part (39) of the pressure regulating element (10) is in communication with the surroundings as reference pressure source.

3. Container according to Claim 1 or 2, wherein spring element (41) is accommodated between the end wall (40) of the housing (35) of the pressure regulating element (10) and the piston (19).

4. Container according to one of the preceding claims, wherein the pressure medium chamber (9) is accommodated in the chamber (2) for drink.

5. Container according to Claim 4, wherein the chamber (2) is provided with an insertion opening (5) for introducing the pressure medium chamber (9) into the chamber (2), which insertion opening is provided with a connecting element, wherein the pressure regulating element (10) has a complementary connecting element (43) for fixing to the connecting element of the chamber.

6. Container according to Claim 5, wherein the chamber (2) is provided with an activating member (32), which engages on the pressure medium chamber when a pressure medium chamber (9) is fixed in the chamber (2), as a result of which the delivery valve (12) is pressed against the piston (19).

7. Container according to one of the preceding claims, wherein the upper housing part (39) comprises a cylindrical wall with a screw thread (46) and a cap (45) that is joined to the cylindrical wall by a complementary screw thread, wherein the volume of the upper housing part is variable by moving the cap along the cylindrical wall for setting the internal pressure in the container.

8. Container according to one of the preceding claims, wherein a closure assembly (7) is made up by the pressure regulating element (10) and the drink dispensing opening (13) that is closed off by a drink dispensing valve (11) for dispensing the contents of the container, which closure assembly (7) is connected in a sealed manner in a fill opening (5) for introducing the drink and the pressure medium chamber (9) into the chamber (2).

9. Container according to Claim 8, wherein the closure assembly (7) forms a cylindrical component.

10. Container according to one of the preceding claims, wherein the pressure medium container (9) contains pressure medium under a pressure of less than 20 bar, preferably less than 10 bar.

11. Container according to Claim 10, wherein the pressure medium container (9) comprises an aerosol container filled with CO₂.

12. Container according to one of the preceding claims, wherein the drink dispensing opening (13) is a distance (D1) away from the axis (29) of the chamber (2), wherein a dispensing line (27) is provided with an outflow section (55) located transversely to the axis of the chamber and a section (56) that is located in the direction of the axis of the chamber and is connected to the outlet (13) such that it can be turned, wherein the distance

(D1) between the axis and the drink dispensing opening is such that in an inactive position the outflow section (55) is within a periphery of the container and that in a dispensing position turned with respect to the inactive position the outflow section (55) protrudes beyond the periphery of the container.

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13. Assembly of pressure medium chamber (9) and a pressure regulating element (10) according to one of the preceding claims.

14. Pressure regulating element (10) according to one of the preceding claims.

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15. Container (1) for carbonated drink with a drink dispensing opening (13) that is closed off by a drink dispensing valve (11), which drink dispensing opening has been displaced with respect to the axis (29) of the container, wherein a dispensing line (27) is provided with an outflow section (55) located transversely to the axis of the container and a section (56) that is located in the direction of the axis of the container and is connected to the outlet (13) such that it can be turned, wherein the distance (D1) between the axis (29) and the drink dispensing opening (13) is such that in an inactive position the outflow section (55) is within a periphery of the container and wherein (sic) in a dispensing position turned with respect to the inactive position the outflow section (55) protrudes beyond the periphery of the container.

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16. Method for the production of a container containing carbonated drink, comprising the following steps:

- filling a container with carbonated drink via a fill opening
- supplying a pressure medium container connected to a pressure regulating element according to one of Claims 1 to 13, and
- connecting the pressure regulating element to the fill opening by means of a closure tool.

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17. Method according to Claim 16, wherein the pressure regulating element is cylindrical with an external screw thread and is connected to a screw thread of the fill opening by rotation.

18. Method according to Claim 16 or 17, wherein when the pressure regulating element is fixed by means of the closure tool the pressure medium chamber is brought into engagement with an activating member in the chamber, so that the shut-off valve of the pressure medium chamber is pushed against the piston.